Practice: 328 - Conservation Crop Rotation

Scenario: #1 - Add Small Grain to Rotation

Scenario Description:

Scenario is for incorporating a small grain crop into an existing cropping system that does not include small grains. This practice payment is provided to acquire the technical knowledge and skills necessary to effectively implement a conservation crop rotation utilizing small grain on a cropland farm, and foregone income that may be associated with the change from the current rotation. It requires new acres established in a rotation. Cost represents typical situations for conventional and organic producers.

Before Situation:

The rotation consists primarily of low residue producing row crops. Fields range from nearly flat to C and D slopes. Erosion, soil quality, and pest management are the primary concerns.

After Situation:

A rotation is establish that provides additional high residue and smallgrain that reduce erosion, improve soil quality, and break pest cycles.

Scenario Feature Measure: Area planted

Scenario Unit: Acre

Scenario Typical Size: 100

Scenario Cost: $8,133.96 **Scenario Cost/Unit:** $81.34

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Foregone Income						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	50	$21,888.00
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	50	$21,521.50
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	$196.61	-33.3	($6,547.11)
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	-33.3	($14,577.41)
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	-33.3	($14,333.32)
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.46	5	$182.30

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Scenario: #2 - Add 2 Years of Perennials to Rotation

Scenario Description:

Scenario is for incorporating two years of a high residue perennial crop into an existing rotation that does not include perennials. This practice payment is provided to acquire the technical knowledge and skills necessary to effectively implement a conservation crop rotation utilizing perennials on a cropland farm, and foregone income that may be associated with the change from the current rotation. It requires new acres established in the rotation. Cost represents typical situations for conventional and organic producers.

Before Situation:

The rotation consists primarily of low residue producing row crops. Fields range from nearly flat to C and D slopes. Erosion, soil quality, and pest management are the primary concerns.

After Situation:

A rotation is establish that provides additional 2 yrs of high residue perennial crops that reduce erosion, improve soil quality, and break pest cycles.

Scenario Feature Measure: Area planted

Scenario Unit: Acre

Scenario Typical Size: 100

Scenario Cost: $17,931.35 **Scenario Cost/Unit:** $179.31

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Foregone Income						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	-25	($10,944.00)
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	50	$21,888.00
FI, Hay, General Grass	2122	General Grass Hay is Primary Land Use	Ton	$41.38	-100	($4,138.00)
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	-25	($10,760.75)
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	50	$21,521.50
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.46	10	$364.60

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Scenario: #3 - Add 1 Year of Perennials to Rotation

Scenario Description:

Scenario is for incorporating one year of a high residue perennial crop into an existing rotation that does not include perennials. This practice payment is provided to acquire the technical knowledge and skills necessary to effectively implement a conservation crop rotation utilizing perennials on a cropland farm, and foregone income that may be associated with the change from the current rotation. It requires new acres established in the rotation. Cost represents typical situations for conventional and organic producers.

Before Situation:

The rotation consists primarily of low residue producing row crops. Fields range from nearly flat to C and D slopes. Erosion, soil quality, and pest management are the primary concerns.

After Situation:

A rotation is establish that provides additional 1 yrs of high residue perennial crops that reduce erosion, improve soil quality, and break pest cycles.

Scenario Feature Measure: Area planted

Scenario Unit: Acre

Scenario Typical Size: 100

Scenario Cost: $7,133.44 **Scenario Cost/Unit:** $71.33

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Foregone Income						
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	$196.61	-25	($4,915.25)
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	33.3	$14,577.41
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	33.3	$14,333.32
FI, Wheat Dryland	1963	Dryland Wheat is Primary Crop	Acre	$196.61	33.3	$6,547.11
FI, Hay, General Grass	2122	General Grass Hay is Primary Land Use	Ton	$41.38	-50	($2,069.00)
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	$437.76	-25	($10,944.00)
FI, Soybeans Dryland	1961	Dryland Soybeans is Primary Crop	Acre	$430.43	-25	($10,760.75)
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	$36.46	10	$364.60